

Ivan Velichko

Fullstack Development, Infrastructure & Management

Saint Petersburg · Remote · project engagements and long-term collaboration

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I develop frontend and backend applications and automate infrastructure and delivery workflows. Coordinated frontend development for a PaaS platform as part of a team. My experience spans blockchain applications, Kubernetes, CI/CD and production service reliability.

01 / EXPERIENCE

Enecuum

March 2020 - April 2023

Fullstack Developer

Worked with the team on blockchain ecosystem services, research prototypes and test infrastructure.

ENEX DEX and Web3

- Developed the ENEX DEX backend with Express.js and Docker and the frontend with React/Redux, Babel and Webpack.
- Implemented Web3 authentication, transaction creation and signing, and blockchain data processing. These operations became part of the DEX user workflows.
- Analyzed DeFi services including Uniswap and PancakeSwap.

Cross-chain and research

- Contributed to the architecture and implementation of a bridge between Enecuum and Ethereum-like networks.
- Designed and tested smart contracts and contributed to architecture decisions.
- Researched Chainlink VRF and developed a distributed VRF service PoC, including Solidity contracts, consumer contracts and distributed nodes. Delivered a software prototype for evaluating the approach.

Testing and delivery

- Built blockchain core test infrastructure with Node.js, Mocha, MongoDB and PM2.
- Automated mobile UI tests with UI Automator and Appium and worked on Telegram interface integration.
- Configured CI/CD with GitHub Actions and Docker and administered test nodes. Contributed to test scenario design, vulnerability analysis and remediation.

CodeBurst

December 2023 - August 2025

Frontend development and coordination · DevOps

Built a PaaS platform as part of a team. Colleagues developed and led the backend; DevOps was a shared responsibility.

Frontend

- Developed the platform frontend with TypeScript and Next.js with SSR and coordinated frontend development.
- Delivered the user-facing part of the platform for working with its services.

Infrastructure and automation

- Worked on DevOps infrastructure with the team, using Kubernetes, Argo CD, Terraform, Ansible and CI/CD.
- Wrote automation scripts for cloud operations and backend infrastructure, turning these operations into software tools.
- The shared infrastructure supported repeatable delivery through CI/CD and GitOps. The FastAPI and Celery backend was developed by colleagues.

Ivan Velichko

01 / EXPERIENCE

Zoloto585

November 2024 - present

DevOps Engineer · contract engagement

Automation, maintenance and development of infrastructure for commercial services.

IaC and delivery workflows

- Automated infrastructure and service configuration with IaC, including e-commerce and Grafana. Replaced manual e-commerce configuration rollout with a GitLab-triggered workflow, speeding up deployment of configuration changes.
- Built and maintained GitLab CI and Jenkins pipelines for Python, .NET and Node.js. Worked on shared Helm chart standards and infrastructure documentation.
- Deployed and maintained Kubernetes applications using Helm. Worked with GCP infrastructure and integration of its cloud services.

Observability and reliability

- Identified the cause of recurring Sentry outages: backups blocked disk access and Snuba consumers crashed. Configured restarts, monitoring and Grafana alerts. Sentry now operates reliably and the previous outages no longer interrupt developers.
- Administered centralized ELK logging and worked on monitoring and error diagnosis.
- Deployed and maintained SonarQube and automated project synchronization through the GitLab and SonarQube APIs. Shared tooling and workflows simplified onboarding of new projects.

Services, access and protection

- Maintained the existing Harbor image registry. Administered PostgreSQL, Microsoft SQL Server and MariaDB.
- Integrated LDAP for centralized access management and worked with HashiCorp Vault for secrets management.
- Automated interaction with StormWall and Qrator Labs anti-DDoS services. Monitoring, alerts and documented response procedures reduced manual work during incidents.

02 / EXPERTISE

Infrastructure and access

Linux, Docker, Kubernetes, Helm, GCP, Yandex Cloud, Terraform, Ansible, HashiCorp Vault, LDAP

CI/CD and automation

GitLab CI, Jenkins, GitHub Actions, Argo CD, Harbor, SonarQube, Python, Bash

Observability

Prometheus, Grafana, ELK, Sentry

Development and data

TypeScript, Next.js, React, Redux, Node.js, Express.js, Solidity, Web3, PostgreSQL, Microsoft SQL Server, MariaDB, MongoDB

03 / EDUCATION

Specialist degree · Information Security

September 2018 - June 2023

Saint Petersburg State University of Aerospace Instrumentation (SUAI)

Information Security of Automated Systems. Degree completed.

Postgraduate study · Information Security

October 2023 - September 2026

Saint Petersburg State University of Aerospace Instrumentation (SUAI)

04 / LANGUAGES

Russian

English **B1**